

FORM PTO-1449 US D part of
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ATTY DOCKET NO.
P41 9981

476,123
SERIAL NO.
08/300,504

APPLICANT
Mathews et al.

FILING DATE
06/07/95

GROUP
UNKNOWN 1812

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

rr		Beckmann and Kadesch, "The leucine zipper of TFE3 dictates helix-loop-helix dimerization specificity" <i>Genes & Development</i> 5:1057-1066 (1991)
		Blackwell and Weintraub, "Differences and Similarities in DNA-Binding Preferences of MyoD and E2A Protein Complexes Revealed by Binding Site Selection" <i>Science</i> 250:1104-1110 (1990)
		Campen and Vale, "CHARACTERIZATION OF ACTIVIN A BINDING SITES ON THE HUMAN LEUKEMIA CELL LINE K562" <i>Biochem. Biophys. Res. Comm.</i> 157(2):844-849 (1988)
		Càrcamo et al., "Type I Receptors Specify Growth-Inhibitory and Transcriptional Responses to Transforming Growth Factor β and Activin" <i>Molecular and Cellular Biology</i> 14(6):3810-3821 (1994)
		Centrella et al., "Activin-A Binding and Biochemical Effects in Osteoblast-Enriched Cultures from Fetal-Rat Parietal Bone" <i>Molecular and Cellular Biology</i> 11(1):250-258 (1991)
		Cooper et al., "Detection and Quantification of Phosphotyrosine in Proteins" <i>Methods in Enzymology</i> 99:387-402 (1983)
		Featherstone and Russell, "Fission yeast p107 ^{wee1} mitotic inhibitor is a tyrosine/serine kinase" <i>Nature</i> 349:808-811 (1991)
		Feng and Doolittle, "Progressive Sequence Alignment as a Prerequisite to Correct Phylogenetic Trees" <i>J. Mol. Evol.</i> 25:351-360 (1987)
D		Fitch and Margoliash, "Construction of Phylogenetic Trees" <i>Science</i> 155:279-284 (1967)

EXAMINER

DAVID L. FITZGERALD
PRIMARY EXAMINER

DATE CONSIDERED

2/10/92

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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P41 9981

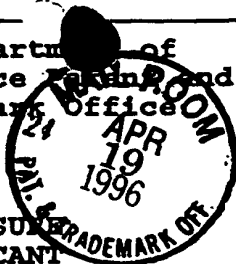
SERIAL NO.
08/300,584

APPLICANT
Math ws et al.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

FILING DATE
06/07/95

GROUP
UNKNOWN



476, 123
3592 U.S. PTO
09/742684
12/19/06

97	Gearing et al., "Expression cloning of a receptor for human granulocyte-macrophage colony-stimulating factor" <i>EMBO Journal</i> 8(12):3667-3676 (1989)
1	Georgi et al., "daf-1, a C. elegans Gene Controlling Dauer Larva Development, Encodes a Novel Receptor Protein Kinase" <i>Cell</i> 61:635-645 (1990)
	Hanks and Quinn, "Protein Kinase Catalytic Domain Sequence Database: Identification of Conserved Features of Primary Structure and Classification of Family Members" <i>Methods in Enzymology</i> 200:38-62 (1991)
	Hanks et al., "The Protein Kinase Family: Conserved Features and Deduced Phylogeny of the Catalytic Domains" <i>Science</i> 241:42-52 (1988)
	Hino et al., "Characterization of Cellular Receptors for Erythroid Differentiation Factor on Murine Erythroleukemia Cells" <i>J. Biol. Chem.</i> 264(17):10309-10314 (1989)
	Howell et al., "STY, a Tyrosine-Phosphorylating Enzyme with Sequence Homology to Serine/Threonine Kinases" <i>Molecular and Cellular Biology</i> 11(1):568-572 (1991)
	Kintner, C., "Effects of Altered Expression of the Neural Cell Adhesion Molecule, N-CAM, on Early Neural Development in Xenopus Embryos" <i>Neuron</i> 1:545-555 (1988)
	Kintner and Melton, "Expression of Xenopus N-CAM RNA in ectoderm is an early response to neural induction" <i>Development</i> 99:311-325 (1987)
	Kondo et al., "Identification of the Two Types of Specific Receptor for Activin/EDF Expressed on Friend Leukemia and Embryonal Carcinoma Cells" <i>Biochem. Biophys. Res. Comm.</i> 161(3):1267-1272 (1989)
	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs" <i>Nucleic Acids Research</i> 15:8125-8148 (1987)
	Krieg and Melton, "In Vitro RNA Synthesis with SP6 RNA Polymerase" <i>Methods in Enzymology</i> 155:397-415 (1987)
	Kyte and Doolittle, "A Simple Method for Displaying the Hydropathic Character of a Protein" <i>J. Mol. Biol.</i> 157:105-132 (1982)
7	Mason et al., "Activin B: Precursor Sequences, Genomic Structure and in Vitro Activities" <i>Molecular Endocrinology</i> 3(9):1352-1358 (1989)

EXAMINER

DAVID L. FITZGERALD
PRIMARY EXAMINER

DATE CONSIDERED

7/15/97

EXAMINER: Initial if ~~considered~~ considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

476,123

FORM PTO-1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO. P41 9981	SERIAL NO. 08/300,584
	APPLICANT Mathews et al.	
	FILING DATE 06/07/95	GROUP UNKNOWN (512)
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		

JDE92 U.S. PTO
09/742684
12/19/00

77	Massague et al., "TGF- β Receptors and TGF- β Binding Proteoglycans: Recent Progress in Identifying Their Functional Properties" <i>Ann. N. Y. Acad. Sci.</i> 593:59-72 (1990)
1	Mathews and Vale, "Expression Cloning of an Activin Receptor, a Predicted Transmembrane Serine Kinase" <i>Cell</i> 65:973-982 (1991)
	Melton et al., "Efficient <i>in vitro</i> synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" <i>Nucleic Acids Research</i> 12:7035-7056 (1984)
	Mine et al., "Stimulation of Glucose Production by Activin-A in Isolated Rat Hepatocytes" <i>Endocrinology</i> 125(2):586-591 (1989)
	Munson and Rodbard, "LIGAND: A Versatile Computerized Approach for Characterization of Ligand-Binding Systems" <i>Analytical Biochemistry</i> 107:220-239 (1980)
	Nakamura et al., "Association of Activin-Binding Protein with Cell Surface" <i>Abstracts; J. Cell Biol</i> 111:351a (1990)
	Pearson and Lipman, "Improved tools for biological sequence comparison" <i>Proc. Natl. Acad. Sci. USA</i> 85:2444-2448 (1988)
	Saito et al., "Production of Activin-Binding Protein by Rat Granulosa Cells <i>in vitro</i> " <i>Biochem. and Biophysical Res. Comm.</i> 176(1):413-422 (1991)
	Scatchard, G., "THE ATTRACTIONS OF PROTEINS FOR SMALL MOLECULES AND IONS" <i>Ann. N. Y. Acad. Sci.</i> 51:660-672 (1949)
	Smith and Johnson, "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase" <i>Gene</i> 67:31-40 (1988)
	Stern et al., "Spk1, a New Kinase from <i>Saccharomyces cerevisiae</i> , Phosphorylates Proteins on Serine, Threonine, and Tyrosine" <i>Molecular and Cellular Biology</i> 11(2):987-1001 (1991)
	Sugino et al., "Identification of a Specific Receptor for Erythroid Differentiation Factor on Follicular Granulosa Cell" <i>J. Biol. Chem.</i> 263(30):15249-15252 (1988)
	Vale et al., "Purification and characterization of an FSH releasing protein from porcine ovarian follicular fluid" <i>Nature</i> 321:776-779 (1986)
	Vale et al., "The Inhibin/Activin Family of Hormones and Growth Factors" <i>Handbook of Experimental Pharmacology</i> Sporn and Roberts eds., 95/II:211-247 (1990)

EXAMINER DAVID L. FITZGERALD PRIMARY EXAMINER GROUP 1800	DATE CONSIDERED 2/15/92
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Commerce Patent and
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P41 9981

476,123
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08/300,584

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Mathews et al.

FILING DATE
06/07/95

GROUP
UNKNOWN 18

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

PTO
09/742684
JG898 U.S.

12/19/00

Pr	von Heijne, G., "Transcending the impenetrable: how proteins come to terms with membranes" <i>Biochimica et Biophysica Acta</i> 947:307-333 (1988)
J	Walker and Zhang, "Relationship of a putative receptor protein kinase from maize to the S-locus glycoproteins of <i>Brassica</i> " <i>Nature</i> 345:743-746 (1990)
7	Wong et al., "Human GM-CSF: Molecular Cloning of the Complementary DNA and Purification of the Natural and Recombinant Proteins" <i>Science</i> 228:810-815 (1985)

EXAMINER

DAVID L. FITZGERALD
PRIMARY EXAMINER

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2/15/97

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FORM PTO-892 (REV. 2-82)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 08/476, ¹²³ 123	GROUP/ART UNIT	ATTACHMENT TO PAPER NUMBER	14
NOTICE OF REFERENCES CITED				APPLICANT(S) MATHEWS, et al.			
U.S. PATENT DOCUMENTS							
•	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE	
A	5614609	3/1997	IBÁÑEZ, et al.	530	350	11/1994	
B	5538892	7/1996	DONAHUE, et al.	435	325	11/1993	
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FOREIGN PATENT DOCUMENTS							
•	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG. PP. SPEC.
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
R	KONNO, Y., et al. (1985) J. Biochem. (Tokyo) 105: 673-78.						
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EXAMINER		DATE					
01-1-1		2/13/97					
* A copy of this reference is not being furnished with this office copy. (See Manual of Patent Examining Procedure, section 201.03.)							

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 09/742664
 12/19/96